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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

March 14, 2006

Mr. Roy J. Schepens, Manager
Office of River Protection
U.S. Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

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EDMC

Mr. Jim Henschel, Project Manager
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Dear Mr. Schepens and Mr. Henschel:

Re: Class ¹1 Modification to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Chapter 10 (Waste Treatment and Immobilization Plant) WA7890008967; Hanford Facility RCRA Permit Modification Notification Form 24590-PTF-PCN-ENV-05-014

The Department of Ecology approves the referenced Class ¹1 Modification submitted by the U.S. Department of Energy – Office of River Protection. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

Modification 24590-PTF-PCN-ENV-05-014 provides the updated (Revision 2) Engineering Specification for Forced Circulation Vacuum Evaporator System (24590-PTF-3PS-MEVV-TP001).

If there are any questions, contact me at (509) 372-7882 or Robbie Biyani at (509) 372-7884.

Sincerely,

Brenda Becker-Khaleel
WTP Lead Permit Writer
Nuclear Waste Program

BBK:AH:jc
Enclosure

cc: See next page



Mr. Schepens and Mr. Henschel

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cc/electronic: Robert Barr, USDOE
John Eschenberg, USDOE
Joel Hebdon, USDOE
Lori Huffman, USDOE
Tony McKarns, USDOE
Gae Neath, USDOE
Woody Russell, USDOE
Don Sommer, USDOE
Julie Atwood, BNI
Bill Elkins, BNI
Brad Erlandson, BNI
Stan Hill, BNI
Dennis Klein, BNI
Phil Peistrup, WGI

cc w/enc: Administrative Record: Tank Waste Treatment Requirements
ORP Correspondence Control
Environmental Portal

Hanford Facility RCRA Permit Modification Notification Form														
Unit: Waste Treatment and Immobilization Plant	Permit Part & Chapter: Part III, Chapter 10 and Attachment 51													
Description of Modification: The purpose of this modification is to update <i>Engineering Specification for Forced Circulation Vacuum Evaporator System</i> (24590-PTF-3PS-MEUV-TP001) currently in Appendix 8.7 of the Dangerous Waste Permit (DWP).														
The following are the major changes to this permit specification: <ul style="list-style-type: none"> • Rearrangement of the listing of equipment included in the Waste Feed Evaporator (FEP) and Treated LAW Evaporator (TLP) Systems • Seller requirements for: <ul style="list-style-type: none"> ○ Design and fabrication of reboiler and support frame assemblies and nozzles ○ Painting ○ Provision of inspection, testing, and handling services. • Removal of demister pad removal system design by upgrading the demister pad from 304L stainless steel to Inconel 625 to ensure a 40 year operating life • Deletion of an Appendix on nozzle loads, which are instead provided in a referenced document • Deletion of an Appendix on dimensional requirements, which are instead provided in a referenced document • Addition of an Appendix providing acceleration response spectra for seismic design equipment and supports 														
These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment.														
Please replace the following specification in the DWP:														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5" style="padding: 2px;">Appendix 8.7</td> </tr> <tr> <td style="width: 15%; padding: 2px;">Replace:</td> <td style="width: 35%; padding: 2px;">24590-PTF-3PS-MEUV-TP001 Rev. 1</td> <td style="width: 10%; padding: 2px;">With:</td> <td colspan="2" style="width: 40%; padding: 2px;">24590-PTF-3PS-MEUV-TP001 Rev. 2</td> </tr> </table>					Appendix 8.7					Replace:	24590-PTF-3PS-MEUV-TP001 Rev. 1	With:	24590-PTF-3PS-MEUV-TP001 Rev. 2	
Appendix 8.7														
Replace:	24590-PTF-3PS-MEUV-TP001 Rev. 1	With:	24590-PTF-3PS-MEUV-TP001 Rev. 2											
WAC 173-303-830 Modification Class: ^{1 2}		Class 1	Class ¹ 1	Class 2	Class 3									
Please mark the Modification Class:			X											
Enter Relevant WAC 173-303-830, Appendix I Modification citation number: N/A Enter wording of WAC 173-303-830, Appendix I Modification citation: N/A In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹ 1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."														
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>			Reviewed by Ecology: <div style="text-align: center;"> S. Dahl </div> <div style="text-align: right;"> 3/14/06 Date </div>											

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.